**FIG. 1**

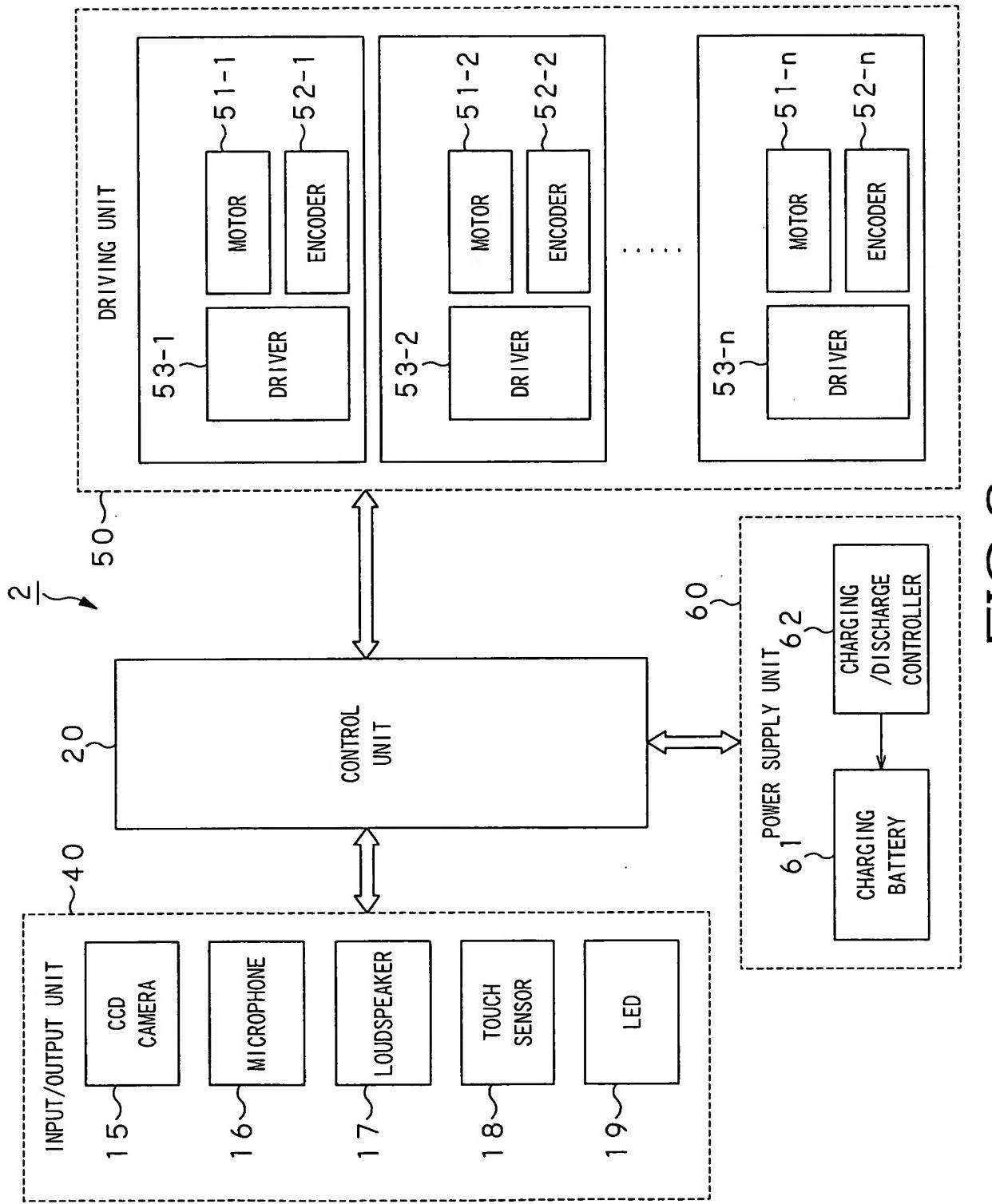


FIG. 2

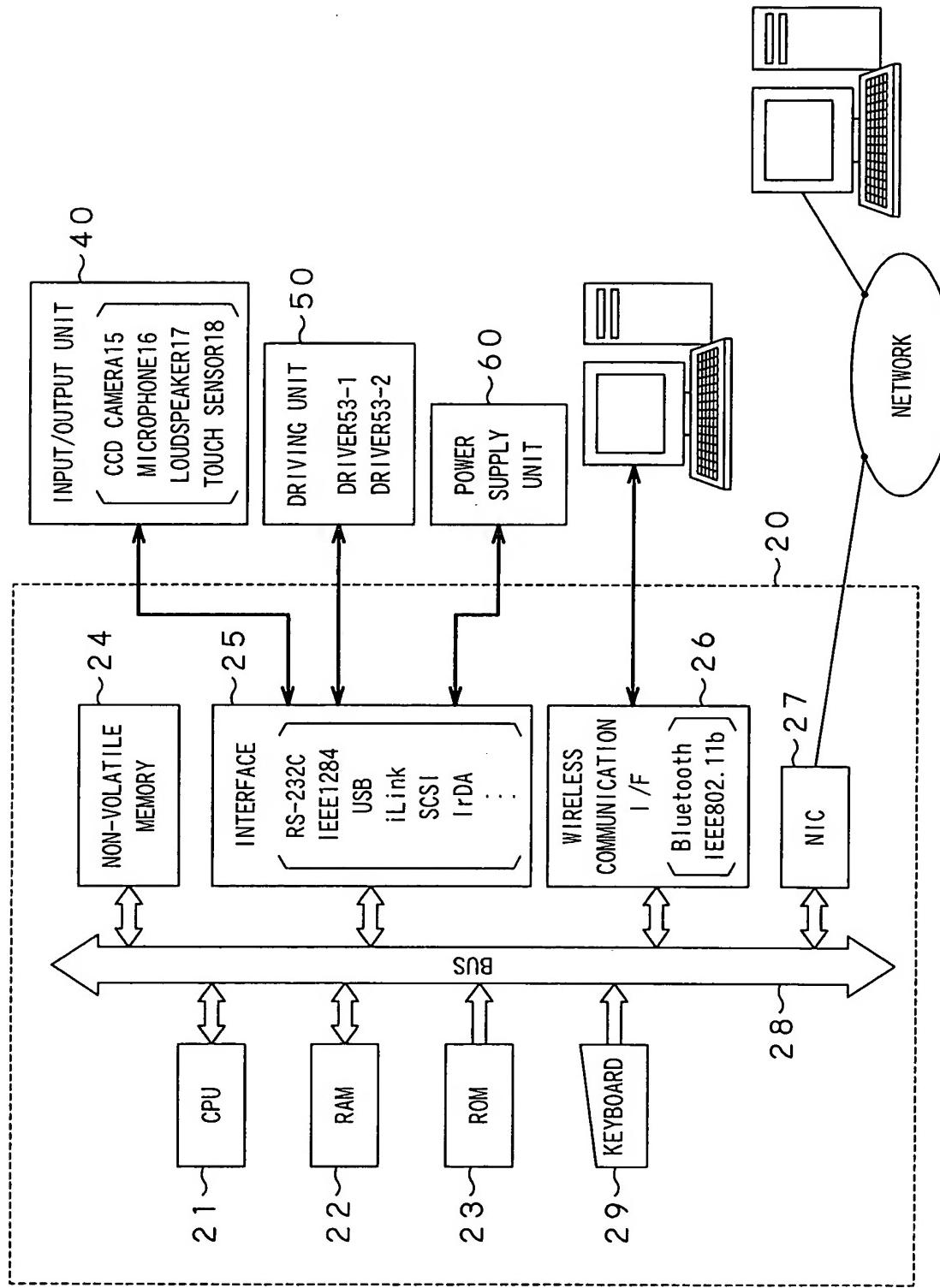


FIG. 3

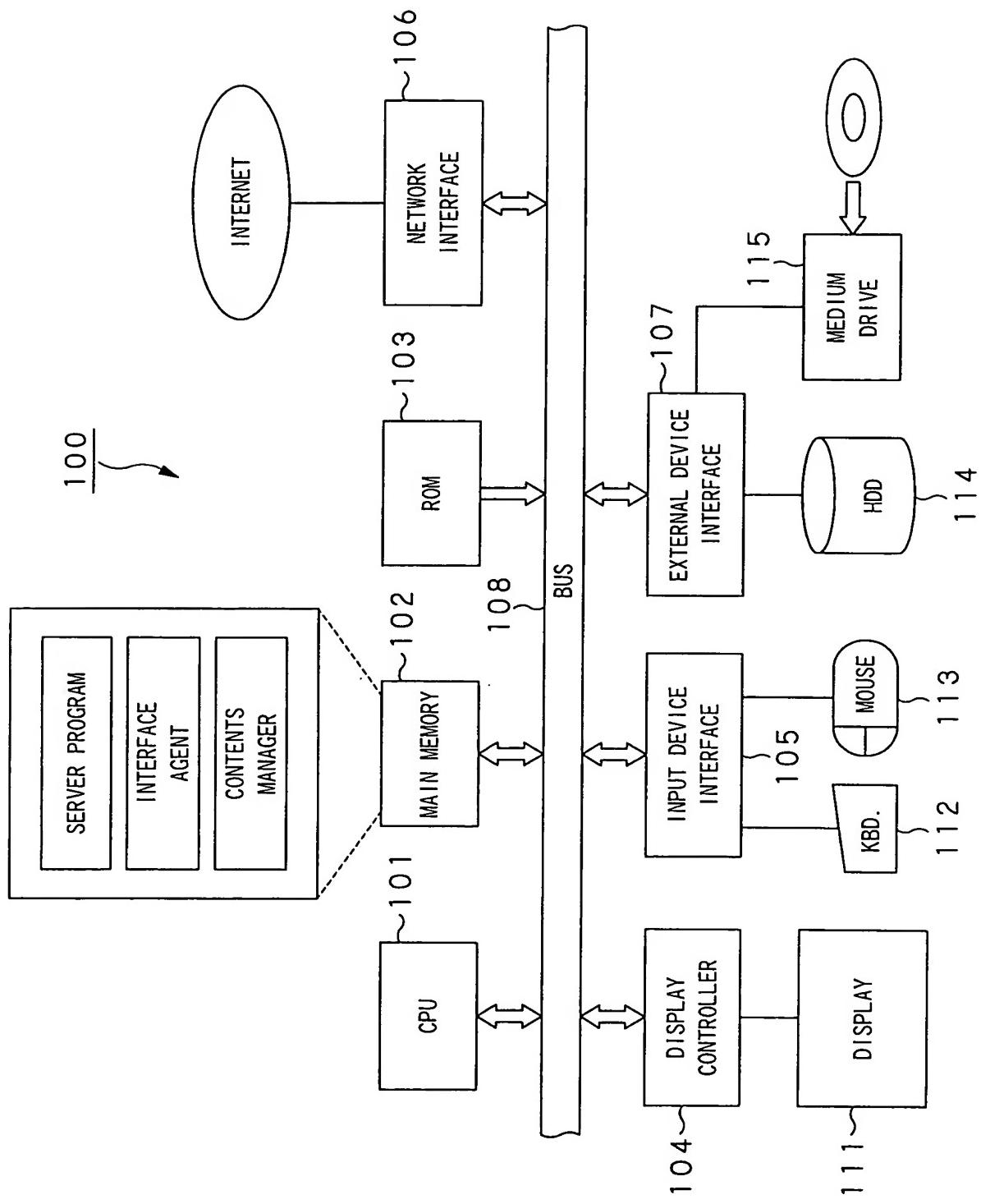


FIG. 4

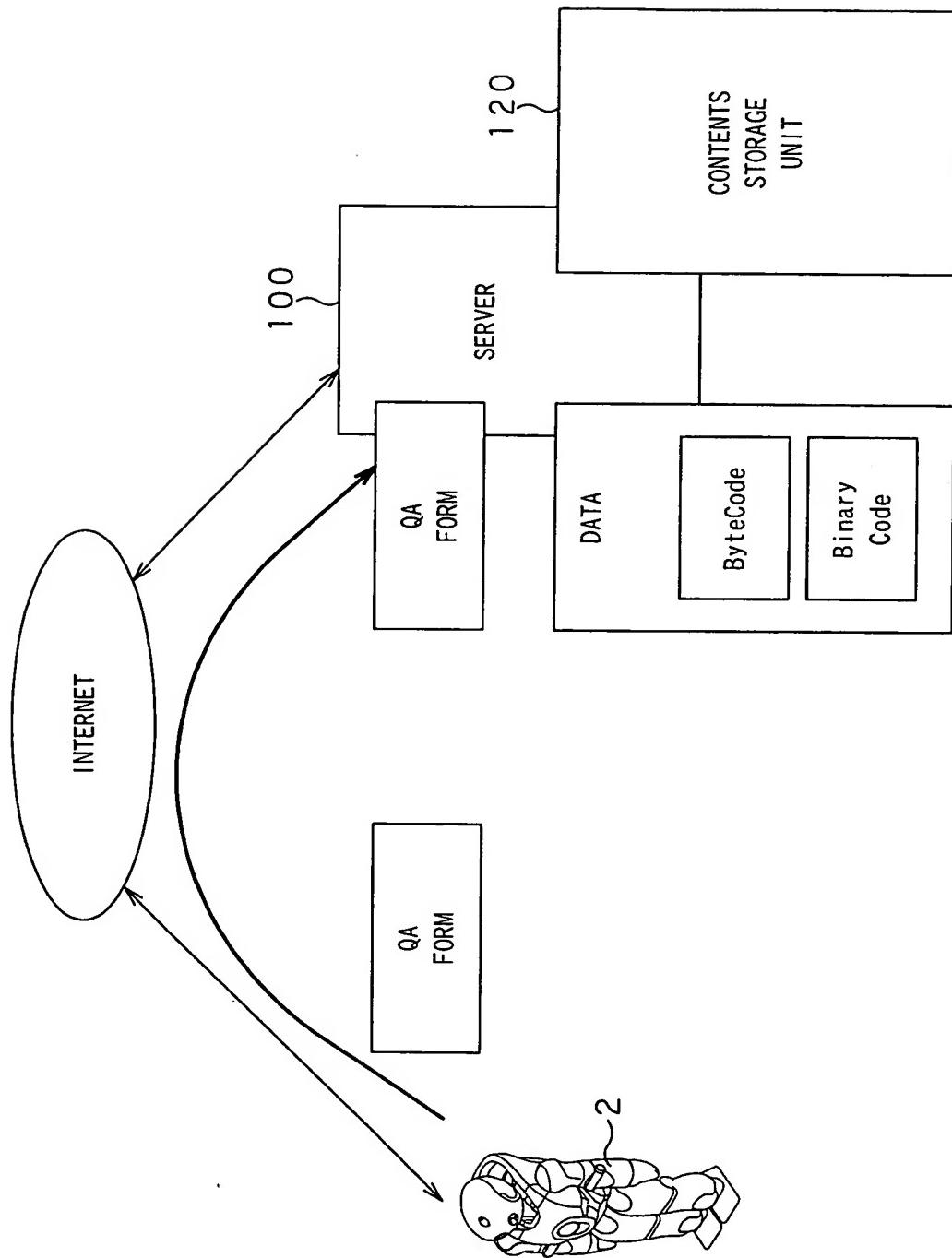


FIG. 5

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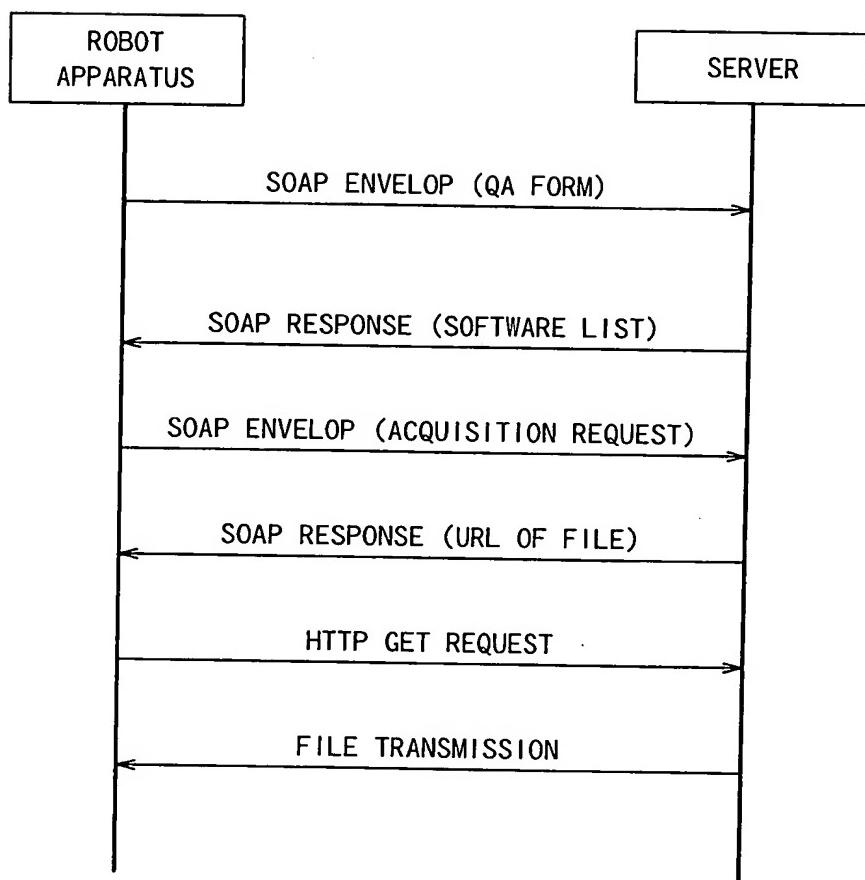


FIG.6

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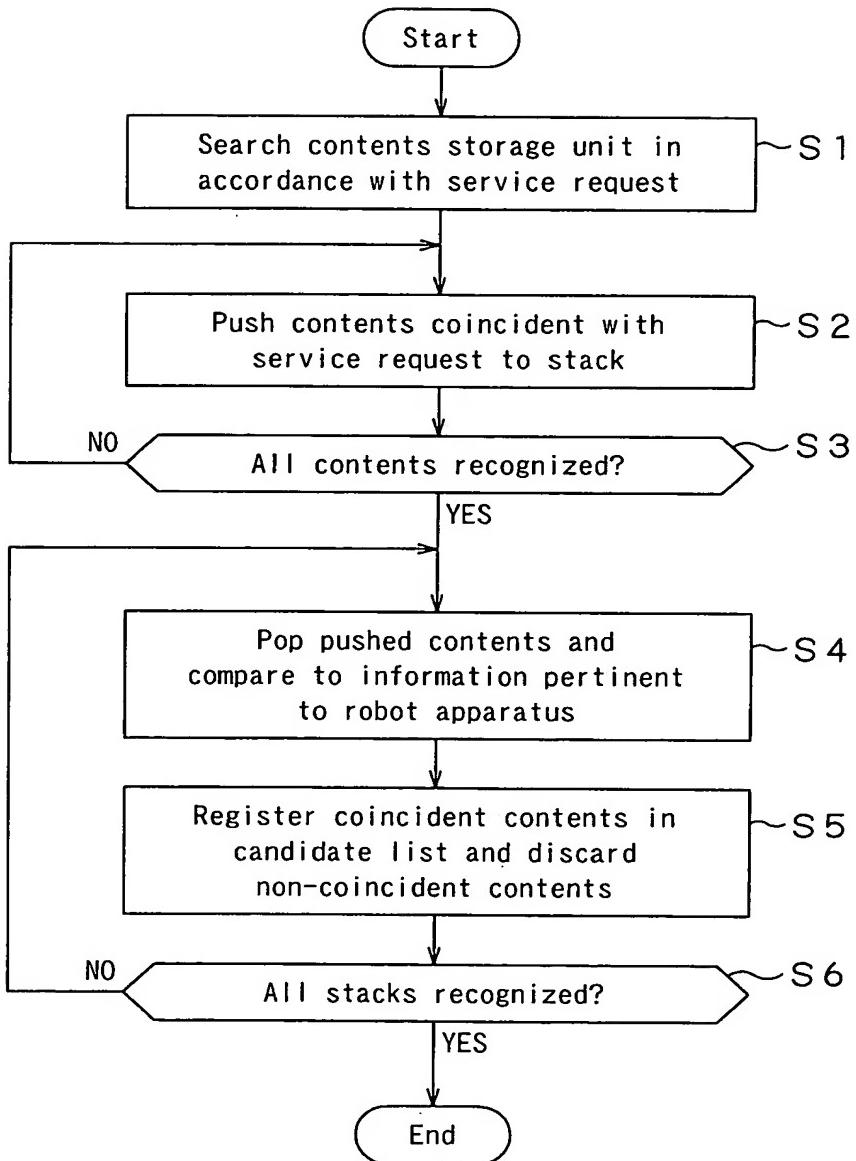


FIG.7

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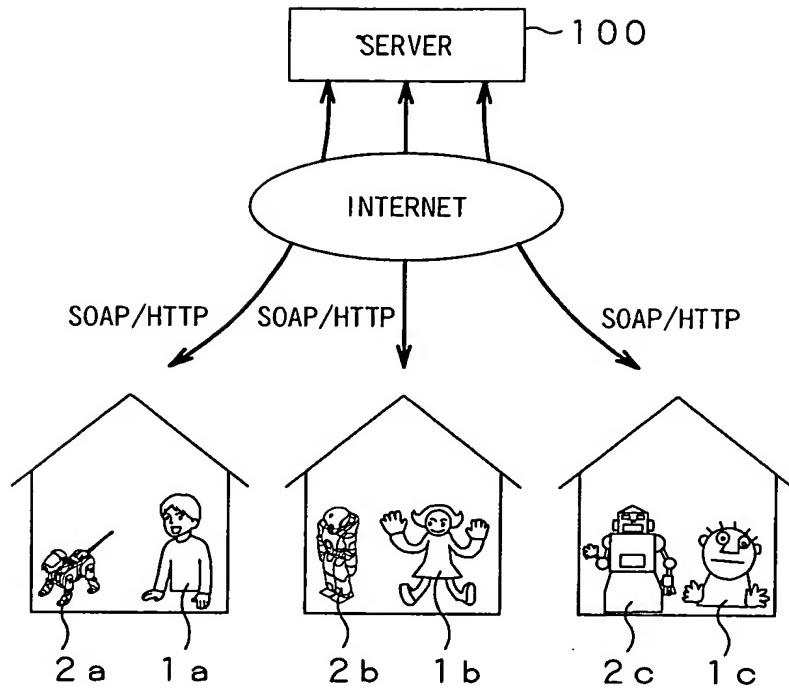


FIG.8

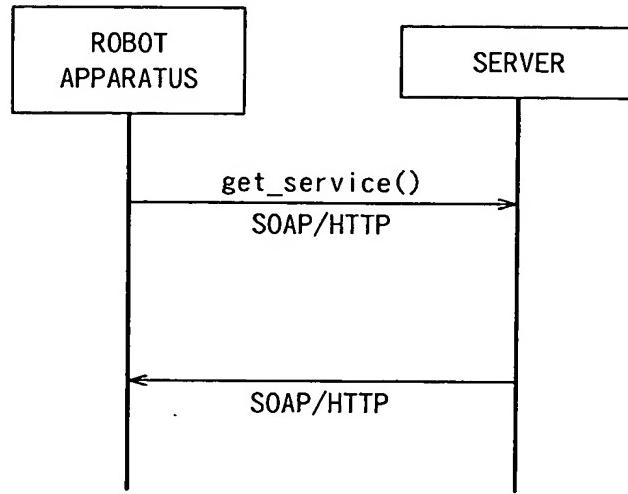
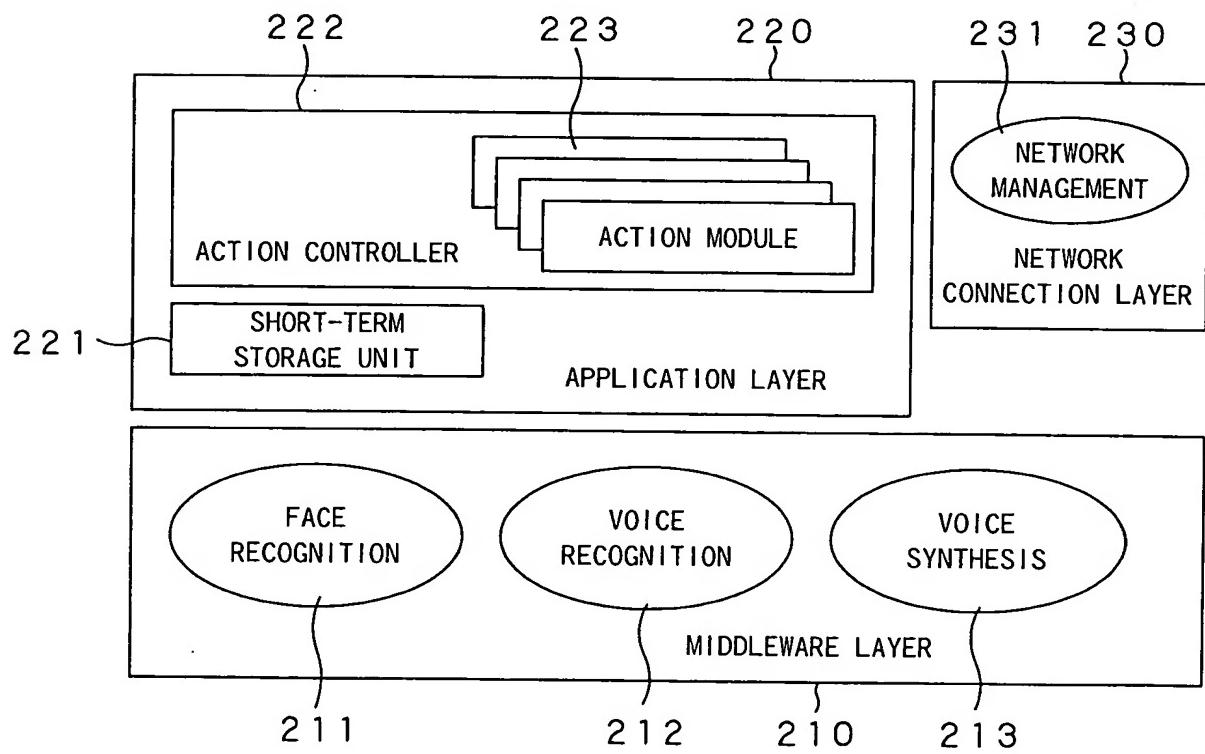
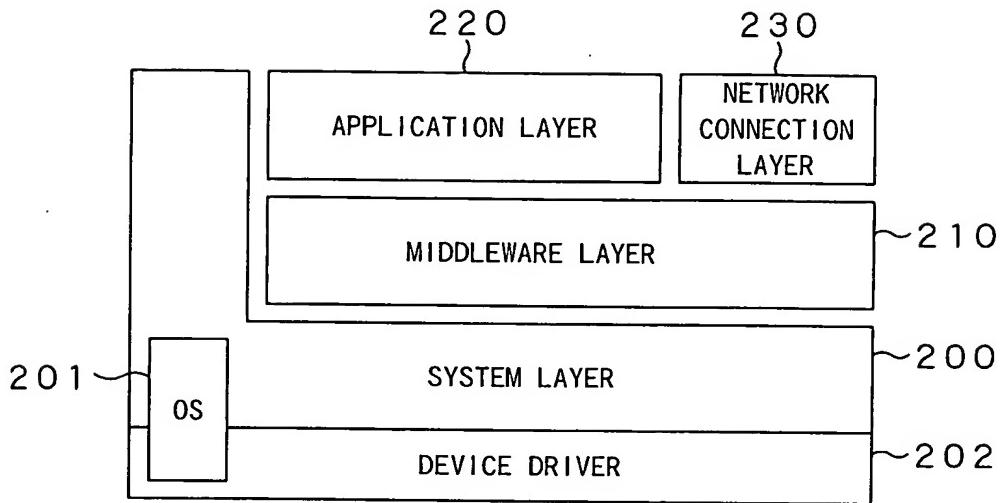


FIG.9

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```

<?xml version= "1.0" ?>
<description modelname= "SDR-4XII" >
  <middleware>
    <input>
      <facedetection supports= "multi-view" />
      <speechrecognition supports= "word,sentence" />
    </input>
    <output>
      <sound supports= "wav" />
      <speechsynthesis supports= "tts" />
    </output>
  </middleware>
</description>

```

FIG.12

```

dom=parseString(inline)
list=dom.getElementsByTagName( 'speechrecognition' )
if len(list):
  ACQUIRE SUPPORTS ATTRIBUTE OF SPEECHRECOGNITION=LIST[0] FOR STORAGE AS LIST
else:
  speechrecognition=[]

list=dom.getElementsByTagName( 'speechsynthesis' )
if len(list):
  ACQUIRE SUPPORTS ATTRIBUTE OF SPEECHSYNTHESIS=LIST[0] FOR STORAGE AS LIST
else:
  speechsynthesis=[]

list=dom.getElementsByTagName( 'facedetection' )
if len(list):
  ACQUIRE SUPPORTS ATTRIBUTE OF FACEDETECTION=LIST[0] FOR STORAGE AS LIST
else:
  facedetection=[]

del dom

```

FIG.13

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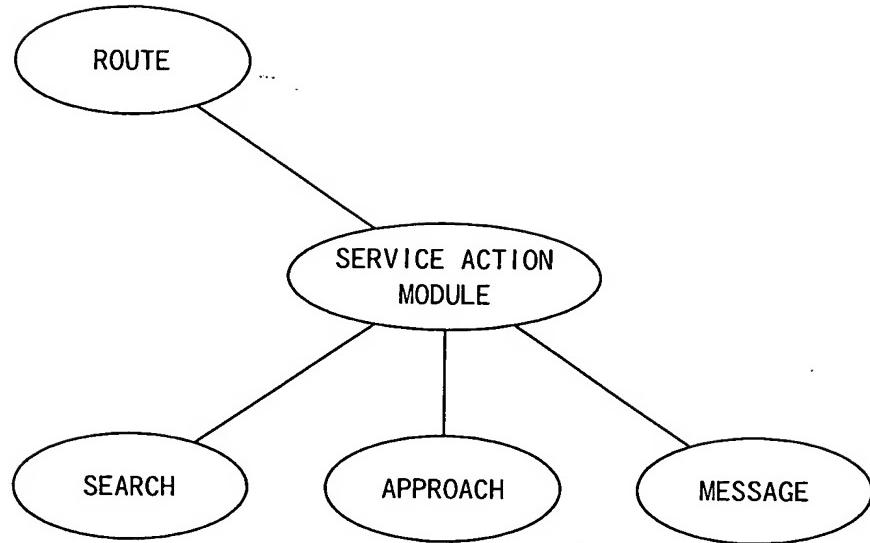


FIG. 14

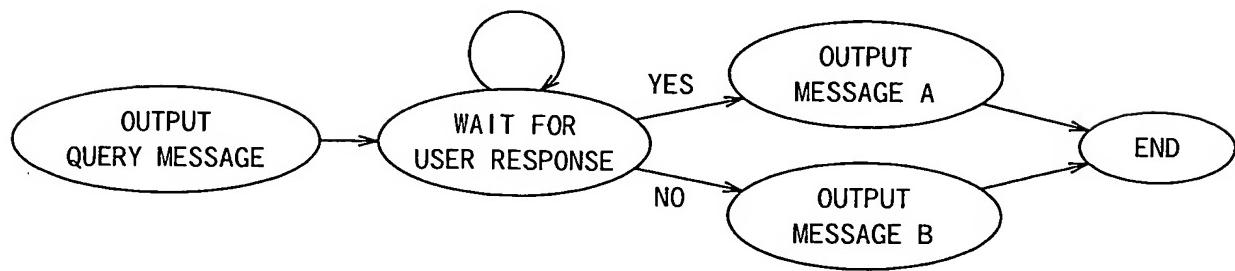


FIG. 15

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```
<?xml version= "1.0" ?>
<description modelName= "SDR-4XII" >
  <middleware>
    <input>
      <speechrecognition supports= "word,sentence" />
    </input>
    <output>
      <sound supports= "wav" />
    </output>
  </middleware>
</description>
```

FIG. 16

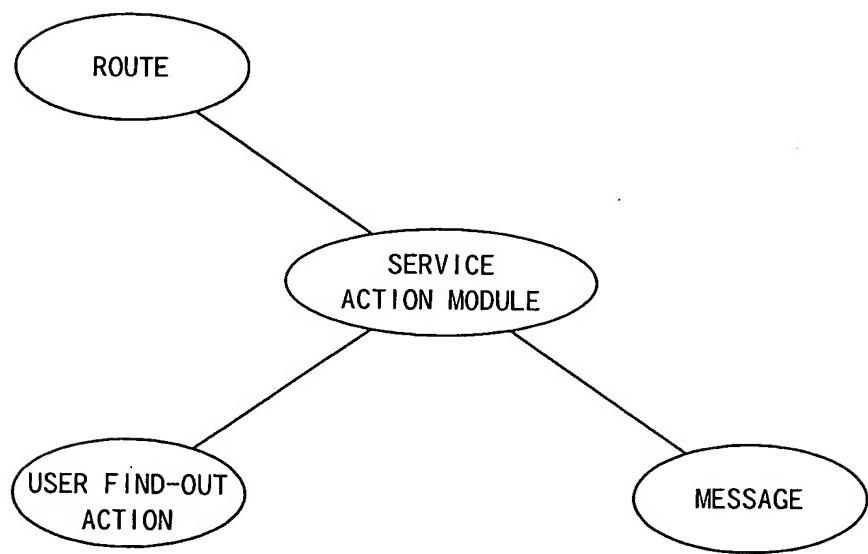
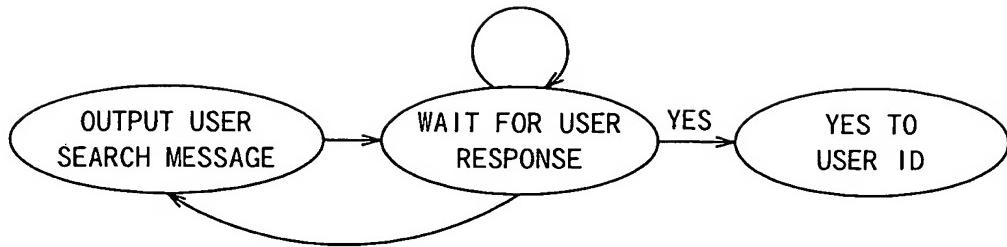


FIG. 17

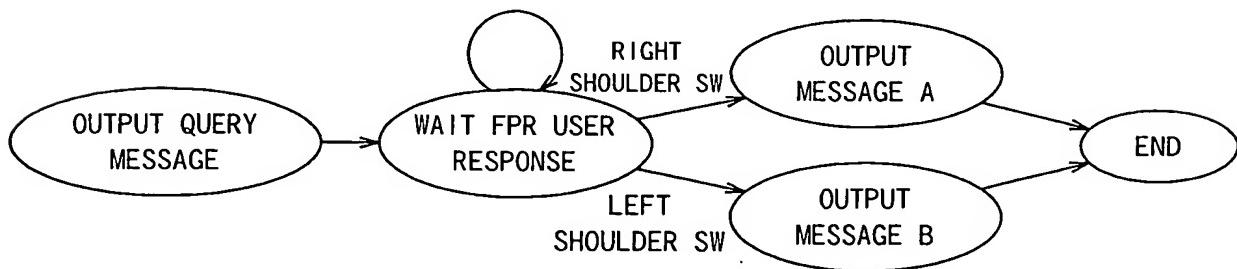
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**FIG. 18**

```

<?xml version= "1.0" ?>
<description modelName= "SDR-4XII" >
  <middleware>
    <input>
      <facedetection supports= "multi-view" />
    </input>
    <output>
      <sound supports= "wav" />
    </output>
  </middleware>
</description>

```

FIG. 19**FIG. 20**